

Flood Control Project Maintenance
2012 Structure Summary Report
Overall Unit and Item Ratings

Madera County FCWCA

Ash And Berenda Slough Control Structures

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	M
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	N
	Safety	M

Flood Control Project Maintenance**2012 Structure Summary Report****Overall Unit and Item Ratings****Madera County FCWCA (cont.)****Fresno River Diversion Weir**

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	A
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A

Flood Control Project Maintenance**Unit Cover Sheet****2012 Structure Inspection Results****Madera County FCWCA**

Structure
Ash And Berenda Slough Control Structures

Structure Rating	A
Date of Inspection	7/24/2012
DWR Inspector	Herman Phillips
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

Madera County FCWCA

Structure						Structure Length	Inspection Start/End	Inspector
Ash And Berenda Slough Control Structures							07/24/2012 07/24/2012	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation		N	Inspector Comments: Photo # 1 Berenda Slough Control Structure upstream side of Structure. Photo #2 Berenda Slough Control Structure downstream side of Structure. 37.157904 -120.124165.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		M	Inspector Comments: No vegetation on the upstream side of Berenda Slough Control Structure. During this inspection 7-24-2012 vegetation was present in the channel downstream of the Ash Slough Diversion Structure.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	2 Y
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present at the Berenda Slough Control Structure.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		M	Inspector Comments: There is little or no debris, sediment or vegetation blocking the culverts, inlets, sump or discharge areas. The channel capacity for designed flow is not affected.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A	Inspector Comments: There are no breaks, holes, cracks in the culvert that would result in significant water leakage.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	11

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

Madera County FCWCA

Structure						Structure Length	Inspection Start/End	Inspector
Ash And Berenda Slough Control Structures							07/24/2012 07/24/2012	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
12	0.00	0.00	Structures	Sluice/Slide Gates		A	Inspector Comments: Gates open and close freely with minor leakage. Sill is free of sediment and other obstructions. Gates and lifters have been maintained.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	13
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Negligible spalling, scaling or cracking.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	17
18	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	18
19	0.00	0.00	Structures	Closure Structures		A	Inspector Comments: Closure structure in good repair. Placing equipment, stoplogs, and other materials are readily available at all times. Components of closure clearly marked and installation instructions / procedures readily available.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	20
21	0.00	0.00	Structures	Other Metallic Items		A	Inspector Comments: All metal parts are protected from corrosion damage, and show no rust or deterioration that would cause a safety concern.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	21
22	0.00	0.00	Structures	Monolith Joints		N	Inspector Comments: This item does not apply to this inspection.	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	22

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Ash And Berenda Slough Control Structures		07/24/2012 07/24/2012	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
23	0.00	0.00	Structures	Safety		M	Inspector Comments: Minor safety hazards are present, but do not pose an immediate threat to the structure or personnel at the structure. Corrections should be made prior to the next annual inspection. 37.143520 - 120.162171	37.157904 ° -120.124165 °	37.143520 ° -120.162171 °	23 Y

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Ash And Berenda Slough Control Structures		07/24/2012 07/24/2012	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Berenda Slough Control Structure upstream left bank. Photo taken 7-24-2012.	
phillips_t_20120807_024.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Berenda Slough Diversion Structure downstream left bank. Photo taken 7-24-2012.	
phillips_t_20120807_025.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Ash Slough Diversion Structure upstream left bank. Photo taken 7-24-2012.	
phillips_t_20120807_026.jpg	

*** Location**

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C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Ash And Berenda Slough Control Structures		07/24/2012 07/24/2012	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Ash Slough Diversion Structure downstream left bank. Photo taken 7-24-2012.	
phillips_t_20120807_027.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions
Ash Slough downstream from Structure. Photo taken 7-24-2012.	
phillips_t_20120807_030.jpg	



Levee Mile Report Line	23
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Safety
Ash Slough Structure damaged timbers not replaced since last inspection. Photo taken 7-24-2012.	
phillips_t_20120807_028.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Ash And Berenda Slough Control Structures		07/24/2012 07/24/2012	Herman Phillips

Levee Mile Report Line	23
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Safety
Bustes board on catwalk need to be replaced. Photo taken 7-24-2012.	
phillips_t_20120807_029.jpg	

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Flood Control Project Maintenance
Unit Cover Sheet
2012 Structure Inspection Results

Madera County FCWCA

Structure
Fresno River Diversion Weir

Structure Rating	A
Date of Inspection	7/19/2012
DWR Inspector	Herman Phillips
Accompanied By	Paul Casillas DWR Sutter Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

Madera County FCWCA

Structure						Structure Length	Inspection Start/End	Inspector
Fresno River Diversion Weir							07/19/2012 07/19/2012	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation		N		36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		M	Inspector Comments: There is a build up of vegetation on the downstream side of the deflectors within the channel of the Fresno River and on the left bank (unit 6) there is buildup of veg. growth inside the security fence area on the bank.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	2 Y
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: There was no presence of erosion at this structure during my inspection 7-12-2011	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No Encroachments observed during this inspection	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A	Inspector Comments: There are no breaks, holes, cracks in the culvert that would result in significant water leakage.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: There is no trash racks at this structure.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	10
11	0.00	0.00	Structures	Flap Gates		A	Inspector Comments: Flap gates open and close easily with minimal leakage. Gates show no corrosion damage and have been maintained.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		A		36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	13

*** Location**

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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Diversion Weir		07/19/2012 07/19/2012	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: All manual gate operators are in good working condition and are capable of opening and closing the gate properly. Preventative maintenance is being performed and the system is tested periodically. All manual gate operators are in good working condition .	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Negligible spalling, scaling or cracking.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	17
18	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Security fencing is in good condition.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not apply to this inspection.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: There is no trash rack at this Structure.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	21
22	0.00	0.00	Structures	Monolith Joints		N	Inspector Comments: This item does not apply to this inspection.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.	36.967930 ° -120.255680 °	36.967930 ° -120.255680 °	23

*** Location**

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**** Rating**

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N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2012

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Diversion Weir		07/19/2012 07/19/2012	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

Fresno River Diversion Weir viewed from bridge crossing. Photo taken 7-19-2012.

phillips_t_20120723_022.jpg



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions

Photo shows vegetation downstream of spillway. Photo taken 7-19-2012.

phillips_t_20120723_023.jpg



*** Location**

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WS : Water Side
CR : Crown

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N : Not Inspected, see Inspector Comment

C : Corrected